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AS85049™/25

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION REQUIRED TO CHANGE G MAX IN FIGURE 1 TO F MAX AND CHANGE G MAX TO F MAX DIMENSIONS IN TABLE 1. NEW FINISHES WERE ADDED.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049.

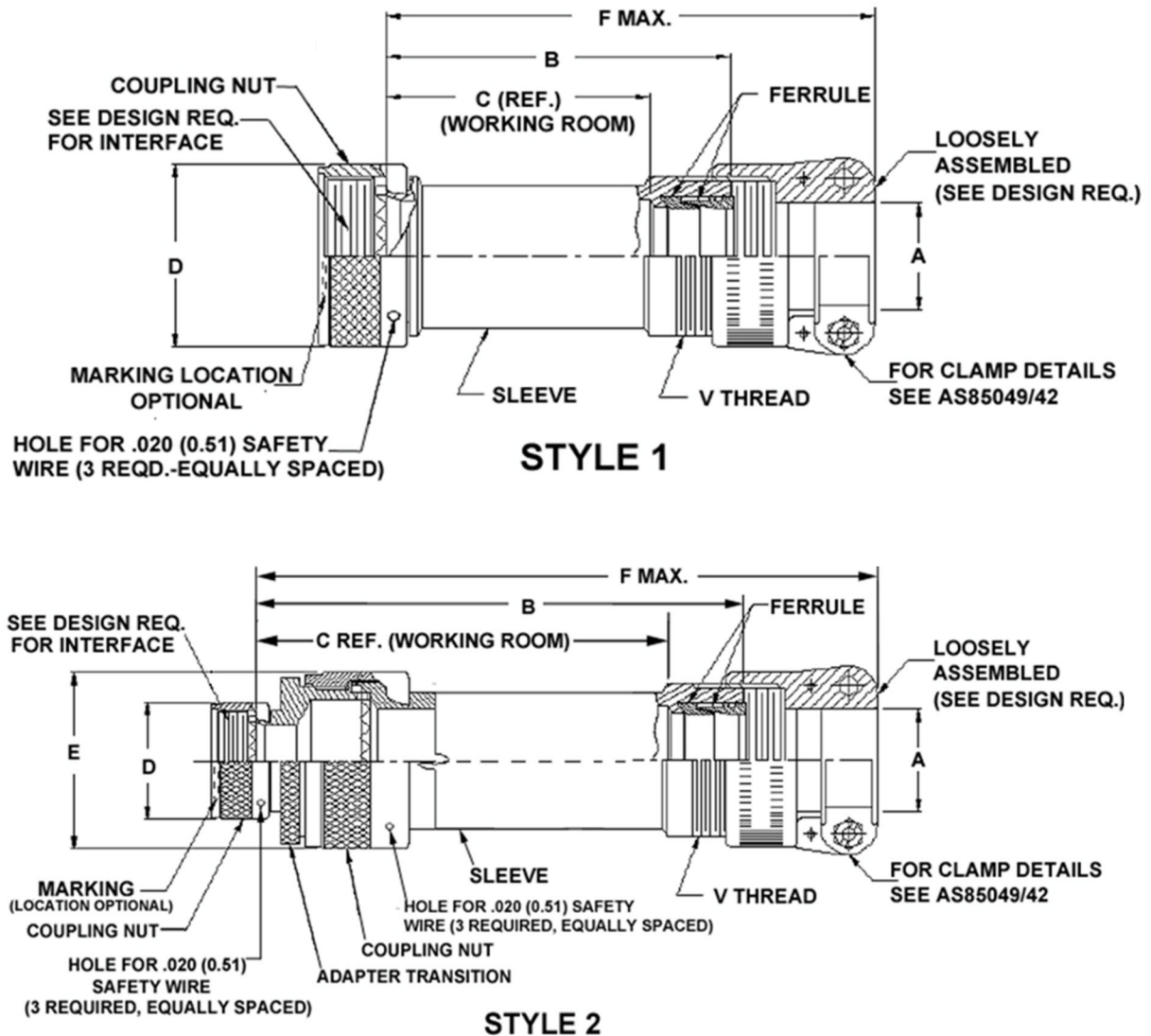
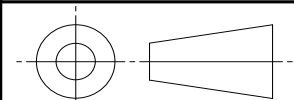


FIGURE 1 - CONFIGURATION AND DIMENSIONS

For more information on this standard, visit
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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
NONENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 3A
(FOR AS50151 CRIMP, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3,
AND MIL-DTL-83723 SERIES III CONNECTORS)

AS85049™/25
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TABLE 1 - DIMENSIONS

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A WIRE BUNDLE ACCOMMODATION RANGE (SEE REQ 1)		STYLE	B DIM ±.125 (±3.2)	D DIA (MAX)
	AS81703 SERIES 3	MIL-DTL- 26482 SERIES 2	AS50151 AS95234 CRIMP	MIL-DTL- 83723 SERIES III		MIN	MAX			
01	3	--	--	--	4	.125 (3.2)	.250 (6.4)	1	2.00 (50.8)	.669 (17.0)
02	3	--	--	--	4	.125 (3.2)	.250 (6.4)	1	3.00 (76.2)	.669 (17.0)
03	3	--	--	--	6	.250 (6.4)	.437 (11.1)	2	2.75 (69.9)	.669 (17.0)
04	3	--	--	--	6	.250 (6.4)	.437 (11.1)	2	3.75 (95.3)	.669 (17.0)
05	--	8	8S	8	4	.125 (3.2)	.250 (6.4)	1	2.00 (50.8)	.617 (15.7)
06	--	8	8S	8	4	.125 (3.2)	.250 (6.4)	1	3.00 (76.2)	.617 (15.7)
07	--	8	8S	8	6	.250 (6.4)	.437 (11.1)	2	2.75 (69.9)	.617 (15.7)
08	--	8	8S	8	6	.250 (6.4)	.437 (11.1)	2	3.75 (95.3)	.617 (15.7)
09	--	10	10S, 10SL	10	4	.125 (3.2)	.312 (7.9)	1	2.00 (50.8)	.734 (18.6)
10	--	10	10S, 10SL	10	4	.125 (3.2)	.312 (7.9)	1	3.00 (76.2)	.734 (18.6)
11	--	10	10S, 10SL	10	6	.250 (6.4)	.437 (11.1)	2	2.75 (69.9)	.734 (18.6)
12	--	10	10S, 10SL	10	6	.250 (6.4)	.437 (11.1)	2	3.75 (95.3)	.734 (18.6)
13	7	12	12, 12S	12	6	.250 (6.4)	.437 (11.1)	1	2.00 (50.8)	.858 (21.8)
14	7	12	12, 12S	12	6	.250 (6.4)	.437 (11.1)	1	3.00 (76.2)	.858 (21.8)
15	7	12	12, 12S	12	10	.350 (8.9)	.625 (15.9)	2	2.75 (69.9)	.858 (21.8)
16	7	12	12, 12S	12	10	.350 (8.9)	.625 (15.9)	2	3.75 (95.3)	.858 (21.8)
17	12	14	14, 14S	14	10	.350 (8.9)	.575 (14.6)	1	2.00 (50.8)	.984 (25.0)
18	12	14	14, 14S	14	10	.350 (8.9)	.575 (14.6)	1	3.00 (76.2)	.984 (25.0)
19	12	14	14, 14S	14	12	.500 (12.7)	.750 (19.1)	2	2.75 (69.9)	.984 (25.0)
20	12	14	14, 14S	14	12	.500 (12.7)	.750 (19.1)	2	3.75 (95.3)	.984 (25.0)
21	19	16	16, 16S	16	12	.500 (12.7)	.700 (17.8)	1	2.00 (50.8)	1.112 (28.2)
22	19	16	16, 16S	16	12	.500 (12.7)	.700 (17.8)	1	3.00 (76.2)	1.112 (28.2)
23	19	16	16, 16S	16	16	.625 (15.9)	.937 (23.8)	2	2.75 (69.9)	1.112 (28.2)
24	19	16	16, 16S	16	16	.625 (15.9)	.937 (23.8)	2	3.75 (95.3)	1.112 (28.2)
25	27	18	18	18	10	.350 (8.9)	.625 (15.9)	1	2.00 (50.8)	1.218 (30.9)
26	27	18	18	18	10	.350 (8.9)	.625 (15.9)	1	3.00 (76.2)	1.218 (30.9)
27	27	18	18	18	12	.500 (12.7)	.750 (19.1)	1	2.00 (50.8)	1.218 (30.9)
28	27	18	18	18	12	.500 (12.7)	.750 (19.1)	1	3.00 (76.2)	1.218 (30.9)

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	CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 3A (FOR AS50151 CRIMP, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)			



TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	C DIM (REF)	V THREAD CLASS 2A	E DIA MAX	F DIM MAX
01	1.06 (26.9)	.625-24 UNEF	--	3.51 (89.2)
02	2.06 (52.3)	.625-24 UNEF	--	4.51 (114.6)
03	1.81 (46.0)	.750-20 UNEF	.858 (21.8)	4.26 (108.2)
04	2.81 (71.4)	.750-20 UNEF	.858 (21.8)	5.26 (133.6)
05	1.06 (26.9)	.625-24 UNEF	--	3.51 (89.2)
06	2.06 (52.3)	.625-24 UNEF	--	4.51 (114.6)
07	1.81 (46.0)	.750-20 UNEF	.858 (21.8)	4.26 (108.2)
08	2.81 (71.4)	.750-20 UNEF	.858 (21.8)	5.26 (133.6)
09	1.06 (26.9)	.625-24 UNEF	--	3.51 (89.2)
10	2.06 (52.3)	.625-24 UNEF	--	4.51 (114.6)
11	1.81 (46.0)	.750-20 UNEF	.858 (21.8)	4.26 (108.2)
12	2.81 (71.4)	.750-20 UNEF	.858 (21.8)	5.26 (133.6)
13	1.06 (26.9)	.750-20 UNEF	--	3.51 (89.2)
14	2.06 (52.3)	.750-20 UNEF	--	4.51 (114.6)
15	1.67 (42.4)	1.000-20 UNEF	1.112 (28.2)	4.26 (108.2)
16	2.67 (67.8)	1.000-20 UNEF	1.112 (28.2)	5.26 (133.6)
17	.92 (23.4)	1.000-20 UNEF	--	3.51 (89.2)
18	1.92 (48.8)	1.000-20 UNEF	--	4.51 (114.6)
19	1.67 (42.4)	1.187-18 UNEF	1.218 (30.9)	4.29 (109.0)
20	2.67 (67.8)	1.187-18 UNEF	1.218 (30.9)	5.29 (134.4)
21	.92 (23.4)	1.187-18 UNEF	--	3.54 (89.9)
22	1.92 (48.8)	1.187-18 UNEF	--	4.54 (115.3)
23	1.67 (42.4)	1.437-18 UNEF	1.468 (37.3)	4.38 (111.3)
24	2.67 (67.8)	1.437-18 UNEF	1.468 (37.3)	5.38 (136.7)
25	.92 (23.4)	1.000-20 UNEF	--	3.51 (89.2)
26	1.92 (48.8)	1.000-20 UNEF	--	4.51 (114.6)
27	.92 (23.4)	1.187-18 UNEF	--	3.54 (89.9)
28	1.92 (48.8)	1.187-18 UNEF	--	4.54 (115.3)



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TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A WIRE BUNDLE ACCOMMODATION RANGE (SEE REQ 1)		STYLE	B DIM ±.125 (±3.2)	D DIA (MAX)
	AS81703 SERIES 3	MIL-DTL- 26482 SERIES 2	AS50151 AS95234 CRIMP	MIL-DTL- 83723 SERIES III		MIN	MAX			
29	27	18	18	18	16	.625 (15.9)	.937 (23.8)	2	2.75 (69.9)	1.218 (30.9)
30	27	18	18	18	16	.625 (15.9)	.937 (23.8)	2	3.75 (95.3)	1.218 (30.9)
31	37	20	20	20	10	.350 (8.9)	.625 (15.9)	1	3.00 (76.2)	1.345 (34.2)
32	37	20	20	20	10	.350 (8.9)	.625 (15.9)	1	4.00 (101.6)	1.345 (34.2)
33	37	20	20	20	12	.500 (12.7)	.750 (19.1)	1	3.00 (76.2)	1.345 (34.2)
34	37	20	20	20	12	.500 (12.7)	.750 (19.1)	1	4.00 (101.6)	1.345 (34.2)
35	37	20	20	20	16	.625 (15.9)	.937 (23.8)	2	3.75 (95.3)	1.345 (34.2)
36	37	20	20	20	16	.625 (15.9)	.937 (23.8)	2	4.75 (120.7)	1.345 (34.2)
37	37	20	20	20	20	.875 (22.2)	1.250 (31.8)	2	3.75 (95.3)	1.345 (34.2)
38	37	20	20	20	20	.875 (22.2)	1.250 (31.8)	2	4.75 (120.7)	1.345 (34.2)
39	--	22	22	22	10	.350 (8.9)	.625 (15.9)	1	3.00 (76.2)	1.468 (37.3)
40	--	22	22	22	10	.350 (8.9)	.625 (15.9)	1	4.00 (101.6)	1.468 (37.3)
41	--	22	22	22	12	.500 (12.7)	.750 (19.1)	1	3.00 (76.2)	1.468 (37.3)
42	--	22	22	22	12	.500 (12.7)	.750 (19.1)	1	4.00 (101.6)	1.468 (37.3)
43	--	22	22	22	16	.625 (15.9)	.937 (23.8)	1	3.00 (76.2)	1.468 (37.3)
44	--	22	22	22	16	.625 (15.9)	.937 (23.8)	1	4.00 (101.6)	1.468 (37.3)
45	--	22	22	22	20	.875 (22.2)	1.250 (31.8)	2	3.75 (95.3)	1.468 (37.3)
46	--	22	22	22	20	.875 (22.2)	1.250 (31.8)	2	4.75 (120.7)	1.468 (37.3)
47	--	24	24	24	12	.500 (12.7)	.750 (19.1)	1	3.00 (76.2)	1.593 (40.5)
48	--	24	24	24	12	.500 (12.7)	.750 (19.1)	1	4.00 (101.6)	1.593 (40.5)
49	--	24	24	24	16	.625 (15.9)	.812 (20.6)	1	3.00 (76.2)	1.593 (40.5)
50	--	24	24	24	16	.625 (15.9)	.812 (20.6)	1	4.00 (101.6)	1.593 (40.5)
51	--	24	24	24	16	.625 (15.9)	.937 (23.8)	1	3.00 (76.2)	1.593 (40.5)
52	--	24	24	24	16	.625 (15.9)	.937 (23.8)	1	4.00 (101.6)	1.593 (40.5)
53	--	24	24	24	20	.875 (22.2)	1.250 (31.8)	2	3.75 (95.3)	1.593 (40.5)
54	--	24	24	24	20	.875 (22.2)	1.250 (31.8)	2	4.75 (120.7)	1.593 (40.5)
55	--	--	28	--	12	.500 (12.7)	.750 (19.1)	1	3.00 (76.2)	1.969 (50.0)
56	--	--	28	--	12	.500 (12.7)	.750 (19.1)	1	4.00 (101.6)	1.969 (50.0)

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TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	C DIM (REF)	V THREAD CLASS 2A	E DIA MAX	F DIM MAX
29	1.67 (42.4)	1.437-18 UNEF	1.468 (37.3)	4.38 (111.3)
30	2.67 (67.8)	1.437-18 UNEF	1.468 (37.3)	5.38 (136.7)
31	1.92 (48.8)	1.000-20 UNEF	--	4.51 (114.6)
32	2.92 (74.2)	1.000-20 UNEF	--	5.51 (140.0)
33	1.92 (48.8)	1.187-18 UNEF	--	4.54 (115.3)
34	2.92 (74.2)	1.187-18 UNEF	--	5.54 (140.7)
35	2.67 (67.8)	1.437-18 UNEF	1.468 (37.3)	5.38 (136.7)
36	3.67 (93.2)	1.437-18 UNEF	1.468 (37.3)	6.38 (162.1)
37	2.67 (67.8)	1.750-18 UNS	1.969 (50.0)	5.60 (142.2)
38	3.67 (93.2)	1.750-18 UNS	1.969 (50.0)	6.60 (167.6)
39	1.92 (48.8)	1.000-20 UNEF	--	4.51 (114.6)
40	2.92 (74.2)	1.000-20 UNEF	--	5.51 (140.0)
41	1.92 (48.8)	1.187-18 UNEF	--	4.54 (115.3)
42	2.92 (74.2)	1.187-18 UNEF	--	5.54 (140.7)
43	1.92 (48.8)	1.437-18 UNEF	--	4.63 (117.6)
44	2.92 (74.2)	1.437-18 UNEF	--	5.63 (143.0)
45	2.67 (67.8)	1.750-18 UNS	1.969 (50.0)	5.60 (142.2)
46	3.67 (93.2)	1.750-18 UNS	1.969 (50.0)	6.60 (167.6)
47	1.92 (48.8)	1.187-18 UNEF	--	4.54 (115.3)
48	2.92 (74.2)	1.187-18 UNEF	--	5.54 (140.7)
49	1.92 (48.8)	1.437-18 UNEF	--	4.63 (117.6)
50	2.92 (74.2)	1.437-18 UNEF	--	5.63 (143.0)
51	1.92 (48.8)	1.437-18 UNEF	--	4.63 (117.6)
52	2.92 (74.2)	1.437-18 UNEF	--	5.63 (143.0)
53	2.67 (67.8)	1.750-18 UNS	1.969 (50.0)	5.60 (142.2)
54	3.67 (93.2)	1.750-18 UNS	1.969 (50.0)	6.60 (167.6)
55	1.92 (48.8)	1.187-18 UNEF	--	4.68 (118.9)
56	2.92 (74.2)	1.187-18 UNEF	--	5.68 (144.3)



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